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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/526,533	Shmuel Ben-Sasson	BEN-SASSON13A
INTERNATIONAL APPLICATION NO.		
PCT/US03/27332		
I.A. FILING DATE		PRIORITY DATE
09/03/2003		09/03/2002
CONFIRMATION NO. 6726		
371 FORMALITIES LETTER		
OC000000018489451		

Date Mailed: 04/10/2006

NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495)

- Indication of Small Entity Status
- Priority Document
- Copy of the International Application filed on 03/03/2005
- Copy of the International Search Report filed on 03/03/2005
- Information Disclosure Statements filed on 03/03/2005
- Biochemical Sequence Diskette filed on 01/18/2006
- Oath or Declaration filed on 01/18/2006
- Biochemical Sequence Listing filed on 01/18/2006
- Request for Immediate Examination filed on 03/03/2005
- U.S. Basic National Fees filed on 03/03/2005
- Priority Documents filed on 03/03/2005

Def. Res. Min. Ext. = 10 My 2006

Applicant's response filed 01/18/2006 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 09/19/2005 have not been completed.

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Additional claim fees of **\$455** as a small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$455** for a Small Entity:

- The paper or compact disc copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Applicant must provide a substitute paper or compact disc copy of the "Sequence Listing", **as well as an amendment specifically directing its entry into the application** OR a substitute computer readable form (CRF) copy of the "Sequence Listing". These two items must be the same. Applicant must also provide a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000).
- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

- Total additional claim fee(s) for this application is \$ 455

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- **For Rules Interpretation, call (571) 272-0951**
- **For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.**
- **Send e-mail correspondence for Patentin Software Program Help @ ebc@uspto.gov**

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

CHARITTA A BURT

Telephone: (703) 308-9140 EXT 207

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/526,533	PCT/US03/27332	BEN-SASSON13A

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/526,533
Source: PCT
Date Processed by STIC: 03/09/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

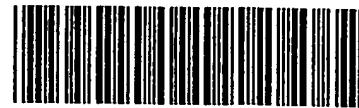
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	SERIAL NUMBER: <u>10/526,533</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleics <input type="checkbox"/> Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters , instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text .	
5 <input type="checkbox"/> Variable Length	Sequence(s) <input type="checkbox"/> contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <input type="checkbox"/> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences .	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional , please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> Response	<u>Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)</u>	
11 <input type="checkbox"/> Use of <220>	Sequence(s) <input type="checkbox"/> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n/Xaa	"n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u>	



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/526,533

DATE: 03/09/2006
TIME: 12:29:16

Input Set : A:\sequence listing.txt
Output Set: N:\CRF4\03092006\J526533.raw

3 <110> APPLICANT: BEN-SASSON, Shmuel
4 REUVENI, Hadas
6 <120> TITLE OF INVENTION: SHORT PEPTIDES FROM THE '2ND LOOP' OF 7 TRANSMEMBRANE
RECEPTOR
7 WHICH SELECTIVELY MODULATE SIGNAL TRANSDUCTION
9 <130> FILE REFERENCE: BEN-SASSON13A PCT
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/526,533
C--> 11 <141> CURRENT FILING DATE: 2005-03-03
11 <150> PRIOR APPLICATION NUMBER: 60/407,290
12 <151> PRIOR FILING DATE: 2002-09-03
14 <160> NUMBER OF SEQ ID NOS: 13
16 <170> SOFTWARE: PatentIn version 3.3
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 9
20 <212> TYPE: PRT
21 <213> ORGANISM: Artificial
23 <220> FEATURE:
24 <223> OTHER INFORMATION: synthetic
26 <400> SEQUENCE: 1
28 Met Arg Pro Tyr Asp Ala Asn Lys Arg
29 1 5
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 9
34 <212> TYPE: PRT
35 <213> ORGANISM: Artificial
37 <220> FEATURE:
38 <223> OTHER INFORMATION: synthetic
40 <400> SEQUENCE: 2
42 Arg Lys Asn Ala Asp Tyr Pro Arg Met
43 1 5
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 19
48 <212> TYPE: PRT
49 <213> ORGANISM: EDG3
51 <400> SEQUENCE: 3
53 Glu Arg His Leu Thr Met Ile Lys Met Arg Pro Tyr Asp Ala Asn Lys
54 1 5 10 15
57 Arg His Arg
61 <210> SEQ ID NO: 4
62 <211> LENGTH: 9
63 <212> TYPE: PRT
64 <213> ORGANISM: R002L103
66 <400> SEQUENCE: 4
68 Met Arg Pro Tyr Asp Ala Asn Lys Arg

Does Not Comply
Corrected Diskette Needed

Invalid Response. 22137 Responses
can be either Artificial, Unknown
or Genus Species. pls see
item #10 on
Error Summary
Sheet.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/526,533

DATE: 03/09/2006
TIME: 12:29:16

Input Set : A:\sequence listing.txt
Output Set: N:\CRF4\03092006\J526533.raw

69 1 5
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 6
74 <212> TYPE: PRT
75 <213> ORGANISM: R002L106
78 <220> FEATURE:
79 <221> NAME/KEY: misc_feature
80 <222> LOCATION: (1)..(1)
81 <223> OTHER INFORMATION: Xaa is Nle
83 <400> SEQUENCE: 5
W--> 85 Xaa Arg Pro Tyr Asn Ala
86 1 5
89 <210> SEQ ID NO: 6
90 <211> LENGTH: 20
91 <212> TYPE: PRT
92 <213> ORGANISM: Lop 2 b3-Adr
94 <400> SEQUENCE: 6
96 Asp Arg Tyr Leu Ala Val Thr Asn Pro Leu Arg Tyr Gly Ala Leu Val
97 1 5 10 15
100 Thr Lys Arg Cys
101 20
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 11
106 <212> TYPE: PRT
107 <213> ORGANISM: R013L101
110 <220> FEATURE:
111 <221> NAME/KEY: misc_feature
112 <222> LOCATION: (1)..(1)
113 <223> OTHER INFORMATION: Gly is modified with a myristoyl group.
115 <400> SEQUENCE: 7
117 Gly Asn Pro Leu Arg Tyr Gly Ala Leu Val Thr
118 1 5 10
121 <210> SEQ ID NO: 8
122 <211> LENGTH: 10
123 <212> TYPE: PRT
124 <213> ORGANISM: R013L102
127 <220> FEATURE:
128 <221> NAME/KEY: misc_feature
129 <222> LOCATION: (1)..(1)
130 <223> OTHER INFORMATION: Gly is modified with a myristoyl group.
132 <400> SEQUENCE: 8
134 Gly Leu Arg Tyr Gly Ala Leu Val Thr Lys
135 1 5 10
138 <210> SEQ ID NO: 9
139 <211> LENGTH: 10
140 <212> TYPE: PRT
141 <213> ORGANISM: R013L103
144 <220> FEATURE:
145 <221> NAME/KEY: misc_feature

Some Error

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/526,533

DATE: 03/09/2006
TIME: 12:29:16

Input Set : A:\sequence listing.txt
Output Set: N:\CRF4\03092006\J526533.raw

146 <222> LOCATION: (1)..(1)
147 <223> OTHER INFORMATION: Gly is modified with a myristoyl group.
149 <400> SEQUENCE: 9
151 Gly Pro Leu Arg Tyr Gly Ala Leu Val Thr
152 1 5 10
155 <210> SEQ ID NO: 10
156 <211> LENGTH: 9
157 <212> TYPE: PRT
158 <213> ORGANISM: R001L115
161 <220> FEATURE:
162 <221> NAME/KEY: misc_feature
163 <222> LOCATION: (1)..(1)
164 <223> OTHER INFORMATION: Gly is modified with a myristoyl group.
166 <400> SEQUENCE: 10
168 Gly Leu Arg Tyr His Ser Ile Val Thr
169 1 5
172 <210> SEQ ID NO: 11
173 <211> LENGTH: 10
174 <212> TYPE: PRT
175 <213> ORGANISM: R001L116
178 <220> FEATURE:
179 <221> NAME/KEY: misc_feature
180 <222> LOCATION: (1)..(1)
181 <223> OTHER INFORMATION: Gly is modified with a myristoyl group.
183 <400> SEQUENCE: 11
185 Gly Leu Arg Tyr His Ser Ile Val Lys Thr
186 1 5 10
189 <210> SEQ ID NO: 12
190 <211> LENGTH: 7
191 <212> TYPE: PRT
192 <213> ORGANISM: K024H107
195 <220> FEATURE:
196 <221> NAME/KEY: misc_feature
197 <222> LOCATION: (1)..(1)
198 <223> OTHER INFORMATION: Gly is modified with a myristoyl group.
200 <400> SEQUENCE: 12
202 Gly Leu Leu Arg Arg His Ser
203 1 5
206 <210> SEQ ID NO: 13
207 <211> LENGTH: 9
208 <212> TYPE: PRT
209 <213> ORGANISM: K024H124
211 <400> SEQUENCE: 13
213 Leu Gly Leu Leu Arg Arg His Ser Ile
214 1 5

Same error

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/09/2006
PATENT APPLICATION: US/10/526,533 TIME: 12:29:17

Input Set : A:\sequence listing.txt
Output Set: N:\CRF4\03092006\J526533.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; Xaa Pos. 1

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/526,533

DATE: 03/09/2006

TIME: 12:29:17

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\03092006\J526533.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0